

Public Meeting
April 30, 2012



City of Greensboro Department of Transportation



Welcome!

Welcome and thanks for participating in this public meeting for the Greene Street 2-way Conversion Project Planning Study. The purpose of this public meeting is to get your feedback on the proposed conversion of Greene Street to 2-way traffic. We welcome your comments and encourage you to talk to our project team members.

This handout will provide you with background information about the project. Please take some time to review the maps and other information on display around the room.

Assumptions

In order to study the functionality of converting Greene Street to 2-way traffic, the following assumptions were made:

- Potential northbound traffic on Greene St was calculated by diverting 20% of existing Elm St traffic.
- Redistribution of parking deck traffic based on address data:
 - Bellemeade St Deck: 50% north, 50% south
 - Lincoln Financial Deck: 65% north, 35% south
 - Greene St Deck: 40% north, 60% south
- No changes to existing signal timing along Greene St.

Modeling Results

Using a traffic modeling program called Synchro along with traffic volume and signal timing assumptions, the following results were determined:

- All intersections operate at acceptable levels of service.
- Northbound queues at Bellemeade St extend past Bellemeade Street Deck exit in the PM peak, but clear every signal cycle.
- Minimal changes in delay at Lincoln Financial and Greene Street Decks.



Greene Street Parking Deck

Queuing Results

The traffic modeling program Synchro also provides vehicle queuing information and allows us to see simulations of traffic based on the assumed data. This queuing information is used to determine the delay experienced per vehicle in each of the parking decks.

- Bellemeade St Deck: Some increases in delay in the PM peak hour, particularly the south gate.
- Lincoln Financial Deck: Very minor increase in delay in the PM peak hour.
- Greene St Deck: Very minor increase in delay in the PM peak hour.

You can follow the Greene Street Conversion Project Planning Study or submit comments online at...
<http://www.greensboro-nc.gov/gdot>

Please be sure to fill out a comment form before you leave. Mailed responses should be sent by May 14th, 2012.



Bellemeade Street Parking Deck



Lincoln Financial Parking Deck

Travel Time

Travel times for northbound (NB) and southbound (SB) traffic during the PM peak hour on Greene St were also calculated using the Synchro program. These times are estimates of how much time would be added or subtracted from someone's overall trip traveling on Greene St. Times include time spent exiting the respective deck.

- Bellemeade St Deck: NB -39 sec / SB +29 sec
- Lincoln Financial Deck: NB -32 sec / SB +4 sec
- Greene St Deck: NB +3 sec / SB +36 sec

Recommendations

Recommendations for each of the parking decks were determined from the information gathered from the Synchro program and by analyzing each individual deck's operational features.

- Bellemeade Street Deck
 - Convert reversible lane to "left-turn exit only" in the PM peak hour and modify lane control signals for exiting vehicles.
 - Convert Elm St exit to "right-turn only" during PM peak hour.
 - Convert spiral exit on Greene St to "right-turn only".
- Lincoln Financial Deck
 - Install lane control signals for exiting vehicles.
 - Modify concrete islands to 90 degree angle.
- Greene Street Deck
 - Modify internal signage to south lane "left-turn only" and north lane to "left-right turn".

Cost and Construction Timing

The following construction operations and materials will be required in order to convert Greene Street to 2-way traffic:

- Signal modifications including acquisition of new mast arms and signal heads at a cost of \$250,000.
- Parking deck modifications including signage and concrete island construction at a cost of \$50,000.
- Resurfacing of Greene Street, new pavement markings, and signage at a cost of \$200,000.

The total for converting Greene Street to 2-way traffic is estimated to cost \$500,000.

Should the conversion of Greene Street be implemented, construction time for the project is estimated at 18 to 24 months.

What's Next?

Based on the public comments received and the preliminary field observations, the project team will identify a recommendation for the conversion of Greene St to 2-way traffic.

Public Involvement

Thank you for attending tonight's meeting. Your comments are very important for determining the final recommendation. ***Please be sure to fill out a comment form before you leave.*** You can leave it with us today at the registration table or, by **May 14th**, mail to:

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